TCS C4I INTERFACES

KEY ISSUE

HOW, WHERE, AND THROUGH WHAT INTERFACE
DOES TCS ADD OPERATIONAL VALUE…….

- IN PROVIDING A COMMON PICTURE OF THE
  BATTLEFIELD?
- IN FULFILLING RFI?
- IN MEETING INTELLIGENCE COLLECTION
  REQUIREMENTS?
- IN IMPROVING VERTICAL AND LATERAL EXCHANGE
  OF INFORMATION?

TCS POTENTIAL

- SUPPORT INTELLIGENCE PRODUCT DEVELOPMENT IN THE AREAS OF CURRENT INTELLIGENCE AND TARGETING
- BYPASS THE PROCESSING & EXPLOITATION, PRODUCTION, AND DISSEMINATION & INTEGRATION STEPS IN THE INTELLIGENCE CYCLE
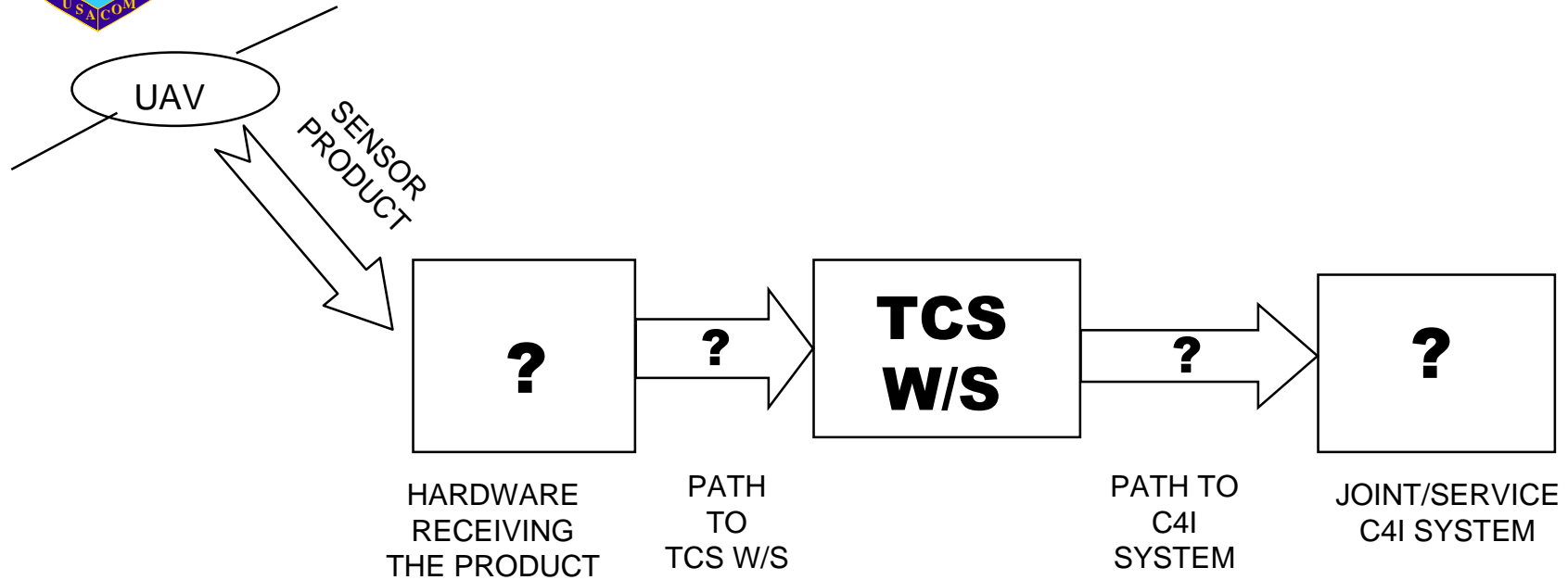- MEET CRITICAL REQUIREMENTS FOR REAL TIME IMAGERY

OPERATIONAL CHALLENGE

- UNDERSTANDING CURRENT C4I SYSTEMS AND OPERATING PROCEDURES IN ORDER TO DEFINE HOW, WHERE, AND THROUGH WHAT INTERFACE TCS ADDS VALUE
- BUILDING A NOTIONAL FRAMEWORK (CONOPS APPENDIX C) TO GUIDE OPERATIONAL PLANNING

? THE QUESTION ?

UAV

SENSOR
PRODUCT

?

HARDWARE
RECEIVING
THE PRODUCT

?

PATH
TO
TCS W/S

TCS
W/S

?

PATH TO
C4I
SYSTEM

?

JOINT/SERVICE
C4I SYSTEM

ONE EXAMPLE

UNITED STATES
ATLANTIC COMMAND
USACOM

UAV

SENSOR
PRODUCT

TCS antenna

HARDWARE
RECEIVING
THE PRODUCT

TCS cable

PATH
TO
TCS W/S

Level 4 TCS

TCS cable

PATH TO
C4I
SYSTEM

JMCIS LAN

JOINT/SERVICE
C4I SYSTEM

SATCOM

OTHER BG UNITS

FLAGSHIP JIC

BUILD TACTICAL PICTURE/
FEED GCCS

JWICS

JFC JIC

FOR ANALYSIS
BUILDING IPB